

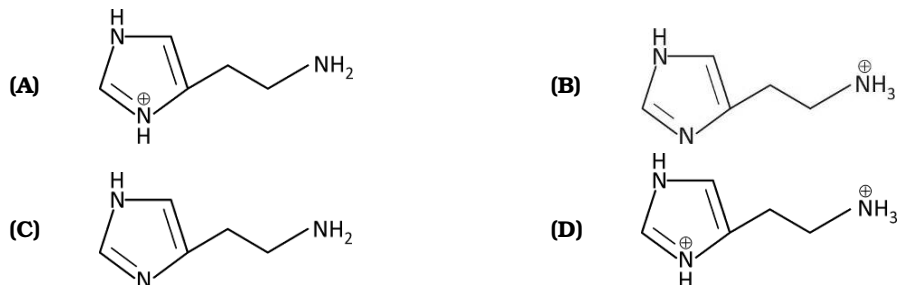
Date Planned : __ / __ / __	Daily Tutorial Sheet-2	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	JEE Main (Archive)	Exact Duration : _____

16. Which of the vitamins given below is water soluble ? (2015)
 (A) Vitamin C (B) Vitamin D (C) Vitamin E (D) Vitamin K
17. Complete hydrolysis of starch gives : (2015)
 (A) glucose and fructose in equimolar amounts
 (B) galactose and fructose in equimolar amounts
 (C) glucose only
 (D) glucose and galactose in equimolar amounts
18. Which of the following structure represents the neoprene polymers? (2015)
 (A) $\text{-(CH}_2\text{-}\underset{\text{Cl}}{\underset{|}{\text{C}}}=\text{CH-CH}_2\text{)-}_n$ (B) $\text{-(CH}_2\text{-}\underset{\text{Cl}}{\underset{|}{\text{CH}}}\text{)-}_n$
 (C) $\text{-(CH}_2\text{-}\underset{\text{CH}_3}{\underset{|}{\text{CH}}}\text{)-}_n$ (D) -(CH-CH)-_n
 C_6H_5
19. On complete hydrolysis of starch, we finally get: (2015)
 (A) Glucose (B) Fructose (C) Glucose and fructose (D) Sucrose
20. Which of the following polymers is synthesized using a free radical polymerization technique? (2016)
 (A) Teflon (B) Terylene (C) Melamine polymer (D) Nylon 6, 6
21. Observation of "Rhumann's purple" is a confirmatory test for the presence of: (2016)
 (A) Reducing sugar (B) Cupric ion (C) Protein (D) Starch
22. Which of the following statements about low density polythene is FALSE? (2016)
 (A) It is a poor conductor of electricity
 (B) Its synthesis requires dioxygen or a peroxide initiator as a catalyst
 (C) It is used in the manufacture of buckets, dust-bins etc
 (D) Its synthesis requires high pressure
23. The formation of which of the following polymer involves hydrolysis reaction? (2017)
 (A) Terylene (B) Nylon 6 (C) Bakelite (D) Nylon 6, 6
24. The reason for "drug induced poisoning" is : (2017)
 (A) Binding reversibly at the active site of the enzyme
 (B) Bringing conformational change in the binding site of enzyme
 (C) Binding irreversibly to the active site of the enzyme
 (D) Binding at the allosteric sites of the enzyme
25. Among the following, the essential amino acid is : (2017)
 (A) Alanine (B) Valine (C) Aspartic acid (D) Serine
26. The incorrect statement among the following is : (2017)
 (A) α -D-glucose and β -D-glucose are anomers.
 (B) α -D-glucose and β -D-glucose are enantiomers.
 (C) Cellulose is a straight chain polysaccharide made up of only β -D-glucose units.
 (D) The penta acetate of glucose does not react with hydroxyl amine.

27. Which of the following is a biodegradable polymer (2017)

- (A) Cellulose (B) Polythene (C) Polyvinyl chloride (D) Nylon-6

28. The predominant form of histamine present in human blood is (pK_a , Histidine = 6.0) : (2018)



29. Fructose and glucose can be distinguished by: (2019)

- (A) Seliwanoff's test (B) Benedict's test
(C) Barfoed's test (D) Fehling's test

30. Maltose on treatment with dilute HCl gives : (2019)

- (A) D-Galactose (B) D-Fructose
(C) D-Glucose and D-Fructose (D) D-Glucose